

**REMARKS**

Claims 1-30 are pending in the application. Claims 1-30 have been canceled, claims 31-48 have been added, and claims 24, 26, 27 and 29 have been amended. No new matter has been added by virtue of these amendments. Support for claims 31-48 may be found throughout the specification and the claims as originally filed.

In particular, support for claim 31 may be found, for example, at page 6, lines 1-5, page 9, lines 23-25, and page 23, lines 3-9, etc.

Support for claims 32-33 may be found, for example, at page 6, lines 19-20, etc.

Support for claim 34 may be found, for example, at page 6, lines 20-22, etc.

Support for claim 35 may be found, for example, at page 6, lines 22-23, etc.

Support for claim 36 may be found, for example, at page 6, lines 23-24, etc.

Support for claim 37 may be found, for example, at page 6, lines 1-5, and page 23, lines 3-9, etc.

Support for claim 38 may be found, for example, at page 6, lines 16-18, etc.

Support for claim 39 may be found, for example, at page 7, lines 7-9, etc.

Support for claim 40 may be found, for example, at page 23, lines 3-9, etc.

Support for claim 41 may be found, for example, at page 7, lines 6-9, etc.

Support for claim 42 may be found, for example, at page 7, lines 13-14, etc.

Support for claim 43 may be found, for example, at page 54, lines 9-11, etc.

Support for claim 44 may be found, for example, at page 43, lines 7-10, etc.

Support for claim 45 may be found, for example, at page 43, lines 10-11, etc.

Support for claim 46 may be found, for example, at page 54, lines 7-9, etc.

Support for claim 47 may be found, for example, at page 39, lines 18-24, etc.

Support for claim 48 may be found, for example, at page 39, lines 25-28, etc.

Amendments to the Specification are made to insert the required SEQ ID NO identifiers associated with each listed sequence. No new matter has been added.

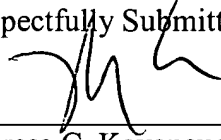
**CONCLUSION**

In view of the foregoing, Applicant submits that the pending claims are in condition for allowance. Early and favorable reconsideration is respectfully solicited. The Examiner may address any questions raised by this submission to the undersigned at 617-832-1000. Should an extension of time be required, Applicant hereby petitions for same and requests that the extension fee and any other fee required for timely consideration of this application be charged to Deposit Account No. 06-1448, Reference IPT-12.02.

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Respectfully Submitted,



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